

10166430 WEST CANYON CREEK NEAR CEDAR FORT, UT

LOCATION (REVISED).--Lat 40°24'19", long 112°05'59", in NW^{1/4}NE^{1/4}NE^{1/4} sec. 7, T. 5 S., R. 2 W., Utah County, Hydrologic Unit 16020201, on right bank 100 ft upstream from a right bank diversion, 540 ft downstream from 6 ft culvert, and 5.3 mi north of Cedar Fort.

DRAINAGE AREA.--26.8 mi².

PERIOD OF RECORD.--July 1965 to October 1975, October 1986 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,620 ft above sea level, from topographic map. Prior to July 21, 1993 at site 700 ft upstream at different datum.

REMARKS.--Records fair, except for estimated days, which are poor. No diversion above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,660 ft³/s Aug. 28, 1971, gage height, 7.50 ft from slope-area measurement; minimum, 0.02 ft³/s Jan. 17, 22, 1967.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 23 ft³/s May 23, 24; minimum daily discharge .50 ft³/s several days in Jan.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	.93	e.80	e.60	e.55	e.65	2.7	e6.5	e15	6.8	3.7	2.0
2	1.2	.91	e.80	e.60	e.55	e.65	2.8	e8.0	e15	6.1	3.6	1.8
3	1.2	.91	e.80	e.70	e.60	e.65	2.4	e9.0	e15	5.9	3.5	1.8
4	1.2	.91	e.80	e.60	e.65	e.65	2.6	e9.5	e15	5.2	4.1	1.7
5	1.2	1.0	e.80	e.55	e.60	e.65	2.0	e10	e15	5.4	3.7	1.6
6	1.2	.89	e.80	e.55	e.60	e.65	1.9	e11	e15	5.2	3.6	1.5
7	1.2	1.1	e.75	e.55	e.60	e.65	1.9	e10	e16	4.9	3.5	1.6
8	1.1	.90	e.75	e.55	e.60	e.65	1.7	e9.0	e16	4.6	3.4	1.5
9	1.1	.91	e.75	e.55	e.60	e.65	2.0	e8.5	e17	4.8	3.5	1.6
10	1.0	.91	e.70	e.55	e.60	e.65	1.9	e13	e15	4.7	3.5	1.5
11	1.1	.92	e.70	e.55	e.60	e.65	1.5	e16	e13	4.8	3.6	1.5
12	1.1	.91	e.70	e.50	e.60	e.65	1.2	e17	14	5.0	3.7	1.4
13	1.2	.85	e.65	e.50	e.60	e.65	1.2	e17	13	4.7	3.6	1.2
14	1.3	.85	e.65	e.50	e.60	e.70	1.4	e18	13	4.3	3.4	1.1
15	1.3	.88	e.65	e.50	e.60	.71	1.3	e19	12	4.0	3.2	1.2
16	1.3	.88	e.65	e.50	e.65	.71	1.4	e19	11	4.0	3.1	1.3
17	1.3	1.1	e.65	e.55	e.65	.82	1.2	20	10	4.0	3.0	1.1
18	1.2	.87	e.65	e.50	e.70	.81	1.4	20	10	4.0	3.0	1.1
19	1.3	.89	e.60	e.50	e.65	.87	1.4	20	11	3.8	2.9	1.9
20	1.1	.91	e.60	e.50	e.65	1.2	1.6	21	12	3.9	3.1	1.8
21	1.1	.99	e.65	e.50	e.65	1.3	3.7	21	12	4.1	3.3	1.3
22	1.4	1.5	e.65	e.50	e.65	1.3	e3.0	22	11	4.0	2.9	1.1
23	1.1	.91	e.65	e.50	e.65	1.5	e3.4	23	9.9	4.3	2.9	1.1
24	1.2	.89	e.65	e.50	e.65	3.7	e4.1	e23	9.2	4.9	2.8	1.1
25	1.2	.90	e.65	e.55	e.65	4.3	e5.5	e22	8.4	4.5	2.6	1.1
26	1.1	.84	e.65	e.55	e.65	5.1	e7.0	e21	8.2	4.2	2.4	1.2
27	1.1	e.85	e.60	e.60	e.65	5.1	e6.5	e17	8.0	4.1	2.2	1.1
28	1.1	e.85	e.60	e.60	e.65	5.5	e7.0	e15	7.5	4.2	2.2	1.0
29	1.1	e.80	e.55	e.60	---	4.3	e6.0	15	7.5	4.0	2.0	1.0
30	1.0	e.80	e.55	e.60	---	3.9	e5.5	15	7.1	3.9	2.0	.89
31	1.1	---	e.55	e.55	---	3.2	---	15	---	3.9	1.9	---
TOTAL	36.2	27.76	21.00	16.95	17.45	53.47	87.2	490.5	361.8	142.2	95.9	41.09
MEAN	1.17	.93	.68	.55	.62	1.72	2.91	15.8	12.1	4.59	3.09	1.37
MAX	1.4	1.5	.80	.70	.70	5.5	7.0	23	17	6.8	4.1	2.0
MIN	1.0	.80	.55	.50	.55	.65	1.2	6.5	7.1	3.8	1.9	.89
AC-FT	72	55	42	34	35	106	173	973	718	282	190	82

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966-75, 1987-97, BY WATER YEAR (WY)

(WY)	1996	1996	1996	1987	1987	1987	1996	1996	1973	1995	1975	1975	1975
MEAN	1.31	1.08	.72	.57	.55	1.14	4.48	14.0	12.0	4.97	2.54	1.51	
MAX	4.16	3.40	2.05	1.40	1.56	3.59	17.4	44.2	29.0	21.2	8.90	4.47	
MIN	.17	.17	.17	.10	.062	.057	.11	.11	3.05	1.63	.66	.26	.21
(WY)	1993	1991	1993	1991	1991	1990	1991	1990	1990	1992	1992	1992	1989

SUMMARY STATISTICS FOR 1996 CALENDAR YEAR FOR 1997 WATER YEAR WATER YEARS 1966-75, 1987-97

ANNUAL TOTAL	1552.36	1391.52	3.75
ANNUAL MEAN	4.24	3.81	8.65
HIGHEST ANNUAL MEAN			.89
LOWEST ANNUAL MEAN			1992
HIGHEST DAILY MEAN	21	May 13	85
LOWEST DAILY MEAN	.55	Dec 29	May 20 1973
ANNUAL SEVEN-DAY MINIMUM	.59	Dec 25	Oct 2 1992
ANNUAL RUNOFF (AC-FT)	3080	2760	.05 Jan 17 1991
10 PERCENT EXCEEDS	12	12	.21
50 PERCENT EXCEEDS	1.8	1.3	
90 PERCENT EXCEEDS	.85	60	

e Estimated